

## Site (Data) : Clive

Stock of waste as at December 2005

Country: UNITED STATES OF AMERICA

Reporting Year: 2005

Site Name: Clive

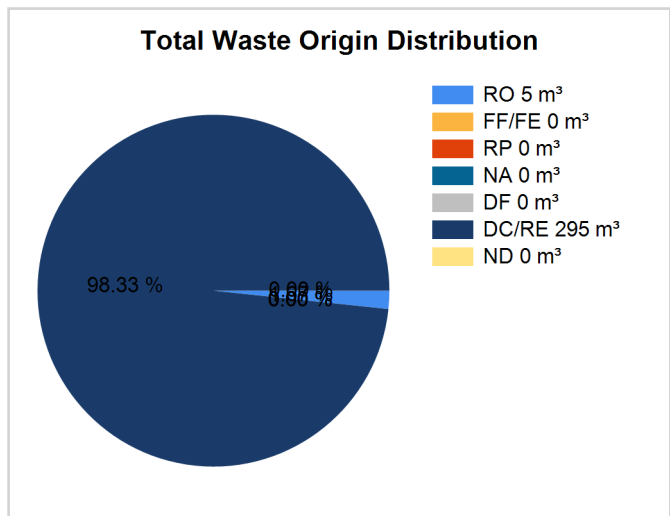
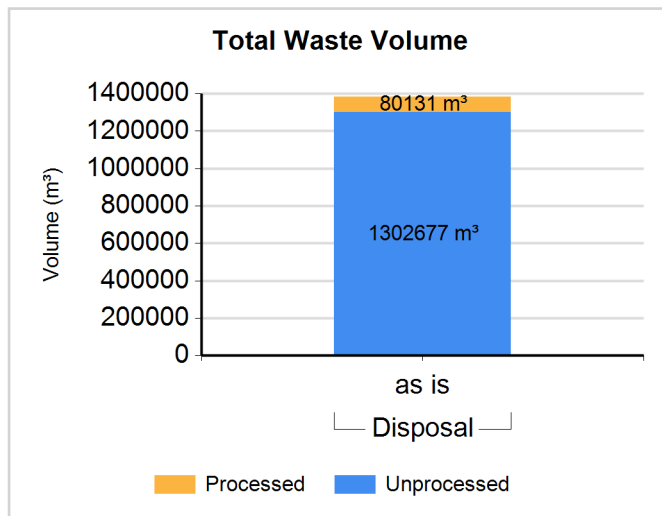
Full Name: EnergySolutions, Clive

Inventory Reporting Date: December 2005

Waste Matrix Used: USNRC

## Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

## Waste Class: Class A LLW

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|------|------|---------|------|
| Class A LLW      | Disposal            | N    | Y    | 224160.000          | 224160.000             | 5.00 | 0.00    | 0.00 | 0.00 | 0.00 | 95.00   | 0.00 |
| Class A LLW      | Disposal            | Y    | Y    | 80131.000           | 80131.000              | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 100.00  | 0.00 |

Comment # 9905: Waste characterization

Processed waste is mixed low-level waste, while unprocessed waste reported is non-mixed.

## Waste Class: 11e2 Byproduct Material

| Waste Class Name        | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|-------------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|------|------|---------|------|
| 11e2 Byproduct Material | Disposal            | N    | Y    | 1078517.000         | 1078517.000            | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 | 100.00  | 0.00 |

## Processing - Treatment method(s)

| Method                   | Status  |             |   |               |
|--------------------------|---------|-------------|---|---------------|
|                          | Planned | R&D program | Current practice method use over the last 5 years | Past Practice |
| Deactivation (of Sodium) | N       | N           | Same  | N             |
| Oxidation                | N       | N           | Same  | N             |
| Thermal Desorption       | N       | N           | Increase  | N             |

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**Processing - Conditioning method(s)**

| Method             | Status  |             |   |               |
|--------------------|---------|-------------|---|---------------|
|                    | Planned | R&D program | Current practice method use over the last 5 years | Past Practice |
| Macroencapsulation | N       | N           | Increase  | N             |
| Polymerization     | N       | N           | Increase  | N             |
| Stabilization      | N       | N           | Same  | N             |